

EXPANDED NATURAL RESOURCES  
INTERIM LEGISLATIVE COMMITTEE  
Eastern Snake Plain Aquifer Working Group

---

*Status of Settlement Efforts:  
An Alternative for Allocating Obligations*

**Karl J. Dreher**

**Director**

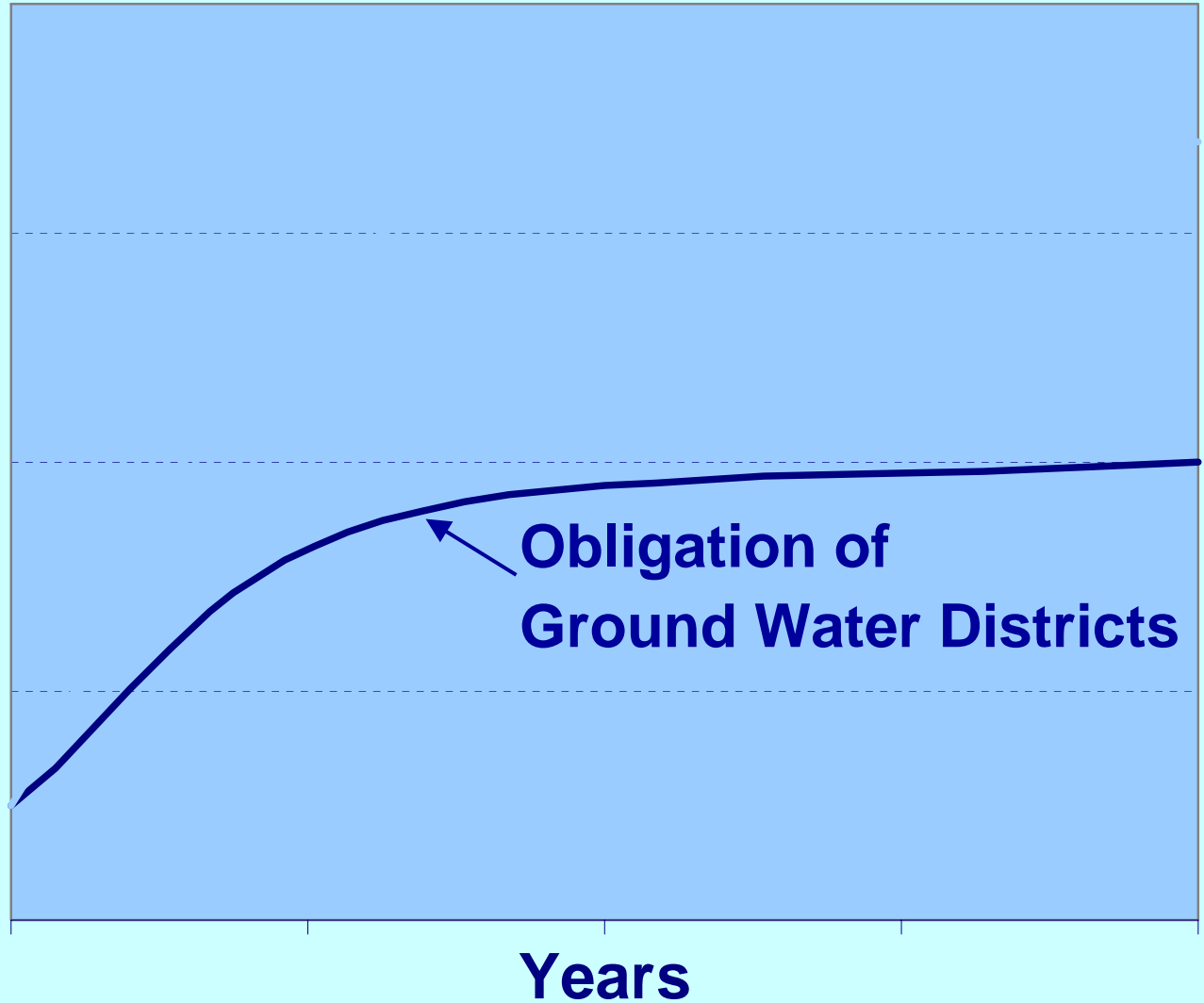
**Idaho Department of Water Resources**

**December 8, 2004**



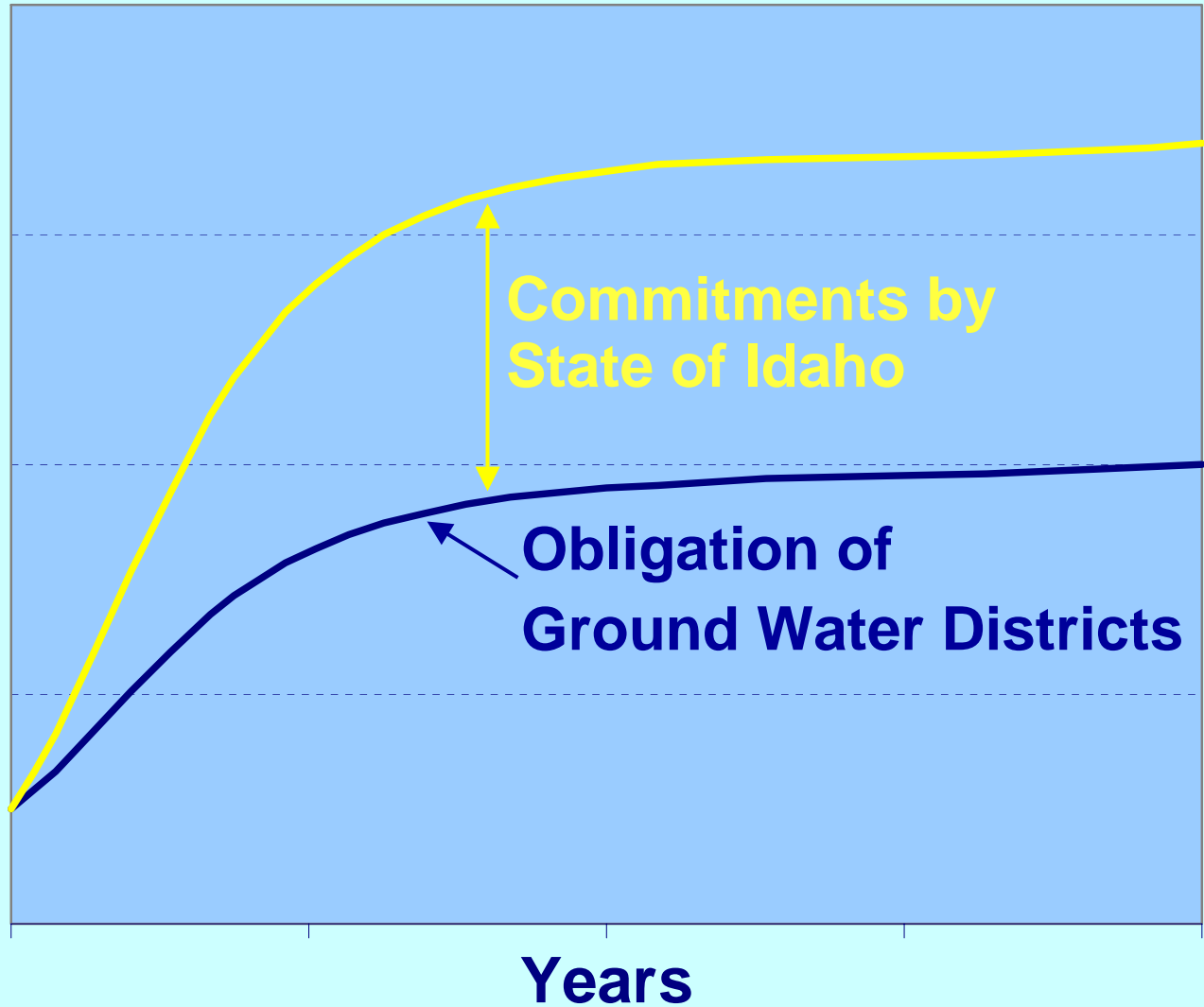
# ***Suggested Principles for Obligations***

**Reach Gain Increase  
and Demand Reduction  
acre-feet**



# ***Suggested Principles for Obligations***

**Reach Gain Increase  
and Demand Reduction  
acre-feet**



- **Buy-Down of Demands – Subordination Agreements**
- **Rental of natural flow rights purchased by State**
  - **Direct delivery to shorted senior water rights**
  - **Conversions from ground water irrigation**
  - **Surface water delivery through Sandy Pipeline**
- **Rental of storage water from 01 rental pool**
- **Water management projects to avert calls**
- **Limited, targeted recharge**
- **Curtailment of irrigated acreage to offset shortfalls**

- Provide matching funds for CREP program
- Subsidize purchase of existing water rights
  - Difference between revenue bond obligation and rental revenue
- Large-scale, managed recharge to improve supply
- Water management projects to improve supply
- Cost share for Commerce, Extension Service, etc.
- Maintenance of ESPA ground water model
- Enforcement and administration of water rights

## **Spring / Surface Water Users --**

- **Measurement and reporting of diversions**
- **Agreements to wheel (convey) supplemental supplies**
- **Agreements to accept substitute supplies**

## **Water Users Generally --**

- **Funding of ESPA management**
- **Participation in planning / implementation**

# ***Funding Allocation “Strawman”***

## **Ground Water Uses on Eastern Snake River Plain**

<b>Water Use</b>	<b>Fee per Unit</b>	<b>No. of Units</b>	<b>Fee Subtotal</b>
<b>Ground water irrigation only</b>	<b>\$ 5 / acre</b>	<b>889,000 acres</b>	<b>\$ 4,445,000</b>
<b>Supplemental ground water</b>	<b>\$ 1 + \$ 4 * % ground water / acre</b>	<b>348,600 acres</b>	<b>1,046,000</b>
<b>Domestic</b>	<b>\$ 25 / residence</b>	<b>50,000</b>	<b>1,250,000</b>
<b>Municipal</b>	<b>\$ 250 / cfs</b>	<b>760 cfs</b>	<b>190,000</b>
<b>Commercial</b>	<b>\$ 250 / cfs</b>	<b>180 cfs</b>	<b>45,000</b>
<b>Industrial</b>	<b>\$ 250 / cfs</b>	<b>200 cfs</b>	<b>50,000</b>
<b>Hydropower</b>	<b>-</b>	<b>-</b>	
<b>Fish Propagation</b>	<b>-</b>	<b>-</b>	
		<b><i>Totals:</i></b>	<b>\$ 7,026,000</b>



# ***Funding Allocation “Strawman”***

## **Surface Water Uses on Eastern Snake River Plain**

<b>Water Use</b>	<b>Fee per Unit</b>	<b>No. of Units</b>	<b>Fee Subtotal</b>
<b>Surface water irrigation only</b>	<b>\$ 1 / acre</b>	<b>871,500 acres</b>	<b>\$ 871,500</b>
<b>Domestic</b>	<b>\$ 25 / residence</b>	<b>500</b>	<b>12,500</b>
<b>Municipal</b>	<b>\$ 50 / cfs</b>	<b>5 cfs</b>	<b>250</b>
<b>Commercial</b>	<b>\$ 50 / cfs</b>	<b>3 cfs</b>	<b>150</b>
<b>Industrial</b>	<b>\$ 50 / cfs</b>	<b>0 cfs</b>	<b>0</b>
<b>Hydropower</b>	<b>\$ 50 / cfs</b>	<b>100</b>	<b>5,000</b>
<b>Fish Propagation</b>	<b>\$ 50 / cfs</b>	<b>500</b>	<b>25,000</b>
		<b><i>Totals:</i></b>	<b><i>\$ 914,400</i></b>

# ***Funding Allocation “Strawman”***

## **Water Uses Below Eastern Snake River Plain**

<b>Water Use</b>	<b>Fee per Unit</b>	<b>No. of Units</b>	<b>Fee Subtotal</b>
<b>Ground water &amp; mixed irrigation</b>	<b>\$ 5 / acre</b>	<b>5,000 acres</b>	<b>\$ 25,000</b>
<b>Surface water irrigation only</b>	<b>\$ 1 / acre</b>	<b>12,700 acres</b>	<b>12,700</b>
<b>Domestic</b>	<b>\$ 25 / residence</b>	<b>700</b>	<b>17,500</b>
<b>Municipal</b>	<b>\$ 50 / cfs</b>	<b>2 cfs</b>	<b>100</b>
<b>Commercial</b>	<b>\$ 50 / cfs</b>	<b>1 cfs</b>	<b>50</b>
<b>Industrial</b>	<b>\$ 50 / cfs</b>	<b>0 cfs</b>	<b>0</b>
<b>Hydropower</b>	<b>\$ 50 / cfs</b>	<b>2,300</b>	<b>115,000</b>
<b>Fish Propagation</b>	<b>\$ 50 / cfs</b>	<b>3,270</b>	<b>163,500</b>
		<b><i>Totals:</i></b>	<b>\$ 333,850</b>

